

construction four completed tunnels belonging to this species were located. Excavation appeared to be recent, as four others were found in the initial stages of construction, and we were unable to discover eggs in one nest inspected. When in the same area with D. Bathgate and E. Garratt, on August 31, many additional nesting tunnels and several White-backed Swallows were seen, establishing the fact that the species is common in the area. The White-backed Swallow has also recently penetrated into the South-west forested area at a number of places, E. L. Carthew (*W.A. Nat.*, 2: 167) having recorded the species at Muresk, and D. L. Reid having noted it between Bannister and Williams.

Improved environmental conditions are thought to be the reason why the Crested Pigeon (*Ocyphaps lophotes*) is extending its range into the South-west. The species has now penetrated along the coastal plain to the vicinity of Fremantle; I observed an individual at Bibra Lake on October 6, 1956.

—JULIAN R. FORD, Fremantle.

**East Kimberley Butterflies.**—The article in *W.A. Nat.*, 5: 229, by John Warham on "West Kimberley Butterflies" and his comment regarding the sparseness of published information on the entomology of the Kimberley Division prompts me to present this list of butterflies available in the collection of the Western Australian Department of Agriculture.

*Acraea andromacha* Fabricius

*Hypolimnas bolina ncrina* Fabricius

*Precis orithya albicincta* Butler

*Danaiida melissa hamata* Macleay

*Euploea corinna corinna* Macleay

*Hypocysta adiante antirius* Butler

*Zizeeria alsulus* Herrieh-Schaeffer

*Catopsilia pomona pomona* Fabricius

*Catopsilia pyranthe pythias* Waterhouse and Lyell

*Terias hecabe sulphurata* Butler

*Papilio demoleus sthenclus* Macleay

*Papilio fuscus canopus* Westwood.

The above butterflies were caught by me at the Kimberley Research Station (KRS), on the Ord River Station about 60 miles from Wyndham, during January and February, 1957. They have been preserved in the collection of the Department of Agriculture, Perth.

Butterflies previously caught in the East Kimberleys and which are in the Department's collection are as follows:—

*Acraea andromacha* Fabricius. Ivanhoe Station, June, 1944 (C. F. H. Jenkins); Ord River Station, June, 1944 (C. F. H. Jenkins); Hall's Creek, May, 1944 (C. F. H. Jenkins); Ord River Station, March. 1947 (Boseh); KRS, February, 1953 (R. G. Lukins); KRS, June-July. 1953 (R. G. Lukins).

*Hypolimnas bolina ncrina* Fabricius. Ord River Station, March-April. 1947 (Boseh); KRS, May, 1950 (E. C. B. Langfield); KRS,

December, 1951; January, 1952 (F. Zanetti); KRS, January, 1953 (D. Thorne); KRS, January-February, 1953 (R. G. Lukins).

*Precis orythia albicincta* Butler. Ivanhoe Station, June, 1944 (C. F. H. Jenkins); Ord River Station, March-April, 1947 (Boseh); KRS, June, 1953 (R. G. Lukins).

*Precis villida calybe* Godart. Ord River Station, March, 1947 (Boseh); KRS, June, 1953 (R. G. Lukins); KRS, October, 1953 (R. G. Lukins).

*Heteronympha merope duboulayi* Butler. Forrest River Mission. April, 1953 (R. G. Lukins).

*Danaida chrysippus petila* Stoll. Ivanhoe Station, May, 1944 (C. F. H. Jenkins); KRS, February, 1952 (T. Carpenter); KRS, February, 1953 (R. G. Lukins); Wyndham (Goose Hill), February, 1953 (R. G. Lukins); KRS, March, 1953 (R. G. Lukins); KRS, October, 1953 (R. G. Lukins); KRS, June, 1954 (R. G. Lukins); KRS, November, 1955 (J. A. Button).

*Euploea corinna corinna* Macleay. Ivanhoe Station, June, 1944 (C. F. H. Jenkins); KRS, May, 1950 (E. C. B. Langfield); Ivanhoe Station, November, 1951 (R. G. Lukins); KRS, March, 1952 (R. G. Lukins); KRS, March, 1953 (R. G. Lukins); Forrest River Mission, March, 1953 (R. G. Lukins); KRS, May, 1953 (R. G. Lukins); KRS, October, 1953 (R. G. Lukins); Ivanhoe Station, October, 1955 (J. A. Button); KRS, October, 1955 (J. A. Button).

*Euchrysops cnejus cnidus* Waterhouse & Lyell. Ivanhoe Station, June, 1944 (C. F. H. Jenkins); Ord River Station, June, 1944 (C. F. H. Jenkins); KRS, January, 1952 (R. G. Lukins); KRS, July, 1953 (R. G. Lukins); KRS, April, 1953 (B. Thorne).

*Zizceria alsulus* Herrieh-Sehaeffler. Ord River Station, June, 1944 (C. F. H. Jenkins); KRS, June, 1953 (R. G. Lukins).

*Catopsilia pyranthe pythias* Waterhouse & Lyell. KRS, March, 1953 (R. G. Lukins).

*Catopsilia pomona pomona* Fabricius. KRS, May, 1950 (E. Langfield); KRS, November, 1955 (J. A. Button).

*Anaphaeis java tentonia* Fabricius. KRS, January, 1953 (B. Thorne); KRS, January, 1953 (R. G. Lukins); Wyndham (Goose Hill), February, 1953 (R. G. Lukins); Forrest River Mission, April, 1953 (R. G. Lukins); KRS, June, 1953 (R. G. Lukins).

*Terias hecabe sulphurata* Butler. Ivanhoe Station, June, 1944 (C. F. H. Jenkins); KRS, February, 1953 (R. G. Lukins); KRS, March, 1953 (C. F. H. Jenkins); KRS, June, 1953 (R. G. Lukins).

*Papilio demoleus sthenelus* Macleay. KRS, January-February-March, 1953 (R. G. Lukins).

*Badamia exclamationis* Fabricius. Wyndham, February, 1951 (L. C. Lee); KRS, January, 1954 (R. G. Lukins); Forrest River Mission, January, 1954 (R. G. Lukins); KRS, November, 1955 (J. A. Button).

—L. E. KOCH, Department of Agriculture, Perth.